**THM565 TekMeter™**

The TekMeter Series combines the power of a true RMS digital multimeter and a 25 MS/s autoranging digital storage oscilloscope in one compact, simple-to-use, rugged, battery-powered unit. Designed for a wide variety of industrial applications, the TekMeter measures and displays signals from a few millivolts to several hundreds of volts. Its unique, autoranging scope tracks the signal and adjusts the instrument automatically. There's no need to be an expert scope user to get immediate results.

The simple interface allows access to numerous powerful and time-saving features such as automatic measurements, capturing and time stamping AC-line faults, calculation of transformer harmonic derating factor (THDF), stable triggering on complex AC-motor drive signals, measuring true power, plus several other DMM252 and scope functions.

A Unique Multi-Function Display

Unlike a traditional DMM, the TekMeter's large display tells you everything you need to know about what you're measuring. In addition to the numerical and analog bar readout you're used to seeing on a DMM, the display shows Max., Min., Max-Min, Hold, and ΔHold all at once. You get more information about the signal, all on a single display.

Switch to the scope mode and TekMeter provides a waveform display similar to a traditional oscilloscope. The scope-mode display is autoranging, so it automatically scales and tracks as the signal changes, giving you hands-free operation. You can concentrate on the measurement, not the instrument, making measurements easier and faster.

Lots of Power in a Small Package

Even though the TekMeter easily fits in your hand, it packs more power and features than instruments many times its size. Its simple interface allows quick access to a host of features such as cursors, automatic measurements, true power measurements, Transformer Harmonic Derating Factor (THDF), and spike detect—all of which will help you get to the source of your problem more quickly. TekMeter can do anything you're doing now, and more. You get measurable results that get the job done.

Deluxe True RMS Multimeter with Dual (2) Channel Oscilloscope. **Digital Multimeter Mode:** True RMS VAC; VDC; Ω-Ohms; Audible Continuity Tester; Hold, ΔHold; Min, Max, Max to Min. **Oscilloscope Mode:** Autoranging; Dual Channel; Spike Detect; Save Waveforms; Save Screens; ΔV, ΔT Cursors; Frequency; Line Test; Duty Cycle; Period; Voltage Disturbance; Current, Power and Power Factor*; Transformer Harmonic Derating Factor*; 3-Phase Test; Event Clock; Extended Save Memory; Backlit Display; Motor Test.

700-0565. THM565 EACH 1295.00

AM503S Current Measurement System

- ▶ AC/DC Measurements
- ▶ With A6302 Probe: DC To 50 MHz; 20 A Continuous/50 A Peak; Split Core; Clips On To Conductors Up To 0.15" Diameter
- ▶ With A6303 Probe: DC To 15 MHz; 100 A Continuous/500 A Peak; Split Core; Clips On To Conductors Up To 0.83" Diameter
- ▶ With A6312 Probe: DC To 100 MHz; 20 A Continuous/50 A Peak; Split Core; Clips On To Conductors Up To 0.15" Diameter

Applications

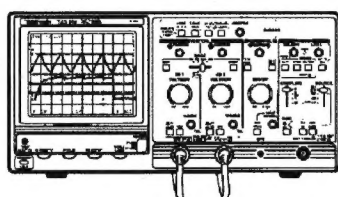
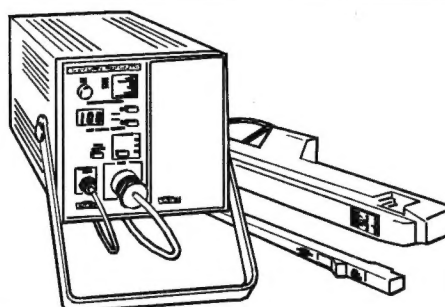
- ▶ Switching Power Supplies
- ▶ Disk Drives
- ▶ Electronic Ballast
- ▶ Motor Drives
- ▶ Inverters
- ▶ All Mixed AC/DC Current Signals

The AM503S Current Probe System is the most versatile current measurement system available. Since the probes incorporate both a transformer and a Hall Effect device, broadband AC/DC current can be measured simultaneously. Depending on the probe used, current from DC to 50 MHz and up to 700 A can be measured by clipping the split-core probes around the conductor. The AM 503S is truly a system, consisting of an AM 503B Current Probe Amplifier, a TM 502A two-wide Power Module, an A6302 Current Probe and a handy plug-in tool box. Options enable you to add or substitute an A6303 or A6312 Current Probe.

700-0503. Model AM503S EACH 3095.00

Stock No.	Model	Bandwidth Hz to MHz	Peak Pulse (A)	Max. AC P-P (A)	Derate Above (kHz)	Max. DC (A)	Amp's Product	Risetime	Current/Div. Display Range	Insertion Imped. @ 1 MHz (Ω)	Max. Barewire Voltage (V)	Max. Cond. Dia. (in.)	Cable Length (m)	EACH
700-6302	A6302	DC to 50	50	400	20	20	100 × 10 ⁻⁶	≤7.0 ns	1 mA to 5 A*1	0.10	300	0.15	2	850.00
700-6303	A6303	DC to 15	500	200	20	100	10,000 × 10 ⁻⁶	≤23.0 ns	5 mA to 50 A*1	0.02	700	0.83	2	1595.00
700-6312	A6312	DC to 100	50	40	20	20	100 × 10 ⁻⁶	≤3.5 ns	1 mA to 5 A*1	0.10	300	0.15	2	995.00

*1 Scope set to 10 mV/Div.

**TAS 250 Analog Oscilloscope**

- ▶ 50 MHz
- ▶ Single Time Base
- ▶ Two Channels
- ▶ Measurement Cursors

Specifications. Bandwidth: 50 MHz Input Channels: Two. Risetime: <7 ns. Time Base: Single. Main Sweep Range: 0.5 s/div. to 0.1 μs/div. Vertical Sensitivity: 5 mV to 5 V/div. Vertical Accuracy: ±3%. Horizontal Accuracy: ±3%. X10 Horizontal Accuracy: ±5%. Sweep Speed (X10 Mag.): Main — 10 ns; Delayed — 10 ns. Trigger Modes: Auto, normal, TV, SGL sweep. Trigger Coupling (Both Main and Delayed): AC, DC. CRT: 12 kV. One year warranty. Safety Certification: ETL, CSA.

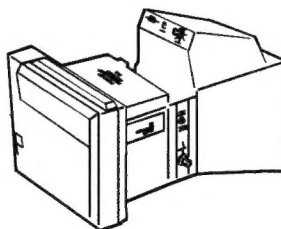
700-0300. TAS 250 EACH 795.00

C-9 Oscilloscope Camera

The C-9 CRT Camera uses Polaroid film packs to document most CRT displays. A 3.25" × 4.25" pack film back is standard. An optional motorized film back is available to reduce handling. It automatically ejects a clean, dry, self-developed print. An optional flash unit is also available for scopes without graticule lighting.

Characteristics. Lens and Aperture: Fixed focus at f/11. Magnification: 0.55 or 0.73. Geometric Distortion: Less than 0.5%. Shutter: Electronic; timed mode from 0.1 to 5 seconds and manual exposure. Power: Eight AA alkaline batteries (not included). Resolving Power: At least 6 lines/mm at center, 3 lines/mm at the corners. Safety: UL Listed 1244. Includes: Camera Body without Hood (a hood is required), Instruction Manual. Order 070-8105-01 Opt. 1A—AutoFilm™ Motorized Film Back Opt. 1F—Graticule Flash Unit for Use with Opt. 07 and/or Opt. 20 Opt. 04—TDS 400 Series Scope Hood Opt. 05—TDS 500/600/800 Series Scope Hood Opt. 06—TAS 400 Series Hood Opt. 07—7K Series Scope Hood Opt. 11—41K, CSA, DSA Series Scope Hood Opt. 20—Portables (2000) Series Scope Hood

700-0009. C-9 EACH 665.00

**TekTools Accessories****A605 500 Amp AC Current Probe**

This "busbar" style clamp-on probe is a current/voltage transformer for digital multimeters and TekMeter. The A605 can measure RMS AC currents ≥4 amps and peak currents up to 500 amps over a frequency range of 48 Hz to 1 kHz. It provides a 1 mV output for each amp measured.

700-0630. Model A605 EACH 85.00

A610 500 Amp AC/DC Current Probe

This "busbar" style clamp-on probe uses a Hall Effect current sensor to provide a voltage output to digital multimeters. The A610 can measure RMS AC currents ≥2 amps and peak currents up to 500 amps over a frequency range of DC to 440 Hz. It provides a 1 mV output for each amp measured.

700-0635. Model A610 EACH 195.00

A621 1000 Amp AC Current Probe/BNC

This industrial style clamp-on probe has a BNC connector and a shrouded banana plug adapter so it can be used on digital multimeters, TekMeter™ and scopes. The A621 can measure AC currents from 100 milliamperes to 2000 amps peak over a frequency range of 5 Hz to 50 kHz. It provides a 1 mV, 10 mV, or 100 mV output for each amp measured.

700-0640. Model A621 EACH 390.00

A622 100 Amp AC Current Probe/BNC

This "long nose" style clamp-on probe uses a Hall Effect current sensor to provide a voltage output to oscilloscopes. It has a BNC connector and a shrouded banana plug adapter so it can also be used on digital multimeters and TekMeter. The A622 can measure AC/DC currents from 50 mA to 100 amps peak over a frequency range of DC to 100 kHz. It provides 10 mV or 100 mV output for each amp measured.

700-0622. Model A622 EACH 415.00

HC411 Thermal Printer

Battery operated thermal printer for use with TekScope. Also useful for many other portable printer applications.

700-0740. HC411 EACH 470.00

P5102 High Voltage Probe

100 MHz, high voltage probe for TekScope. Safety certified for up to 1000 volts and with the TekScope, can be floated safely to 600 volts.

700-0760. P5102 EACH 199.00

THMSBAT Rechargeable NiCad Battery Pack

The Rechargeable NiCad Battery Pack is specially designed for the TekMeter. With 750 milliamperes of capacity, the TekMeter Battery Pack has 50% more energy than regular NiCad batteries. Matched cells ensure that the battery pack delivers full power. Buy two battery packs and keep one ready to go with the THM5CHG charger.

700-0615. Model THMSBAT EACH 45.00

THM5CHG Quick Charge Battery Charger

Never be without power! Charge your TekMeter THMSBAT NiCad Battery Pack in one hour or less. The smart charger senses when the battery pack is fully charged and shifts into trickle charge mode to keep it fully charged, maximizing the life of your battery pack. A wall-mount transformer and a cigarette lighter adapter are included.

700-0645. Model THM5CHG EACH 145.00

THMSAC AC Power Adapter

The AC Power Adapter allows continuous operation of the TekMeter from an AC power source. The specially designed wall-mount transformer supplies power directly to the TekMeter battery compartment while maintaining the 600 V/floatability specification.

700-0650. Model THMSAC EACH 50.00

THMSHCA Protective Transport Case

The Hard-Sided Transport Case provides heavy duty protection for transport of your TekMeter and all its accessories.

700-0610. Model THMSHCA EACH 67.00

THMSCA Soft Case

The Soft Case has an adjustable neck strap which frees you to make measurements that require both hands. A thumbscrew holds your TekMeter securely in the padded case, so even if tipped upside down it won't fall out. The Soft Case is also a carrying case with handle. There's space inside for probes, probe attachments, and a pocket for notes or reference guides.

700-0605. Model THMSCA EACH 75.00

THMCOM1 Communications Pack

The Communications Pack provides an AC/DC cigarette lighter adapter, RS-232 cable, PC-link software, and a flip-out stand.

700-0620. Model THMCOM1 EACH 320.00

THS7BAT Battery Pack

The rechargeable NiCad battery pack is specifically designed for the TekScope. Used with the battery included in the TekScope and the recharger (THS7CHG) the user will always have a charged battery for operation of the TekScope. The battery pack will provide power for TekScope for longer than it takes to recharge the second battery pack.

700-0725. THS7BAT EACH 54.00

THS7CHG Battery Charger

Battery charger for the THS7BAT. This will provide a complete recharge in the THS7BAT in less than 2 hours. Also included is an adapter to plug the charger into 12 volt cigarette lighter.

700-0730. THS7CHG EACH 179.00

THS7HCA Hard Case

The hard case is designed for safe transport of the TekScope and has room to also include the HC411 printer, the THS7CHG charger, an extra battery, extra probes, both voltage and current. Safely transport your complete set-up.

700-0735. THS7HCA EACH 135.00

TXMDXPB Deluxe Probe Set

The Deluxe Probe Set consists of four high-temperature, silicone-insulated probe leads with matching attachments. Each set includes a very sharp test point useful for piercing conformal coatings or corrosion that might interfere with accurate readings. The set also includes two mini-plunger clamps for hands-free operation, one red hook-style test clip, and one black wide-jaw alligator test clip for secure attachment to ground.

700-0600. Model TXMDXPB EACH 99.00

Prices Subject To Change —We Always Ship At The Lowest Price In Effect

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